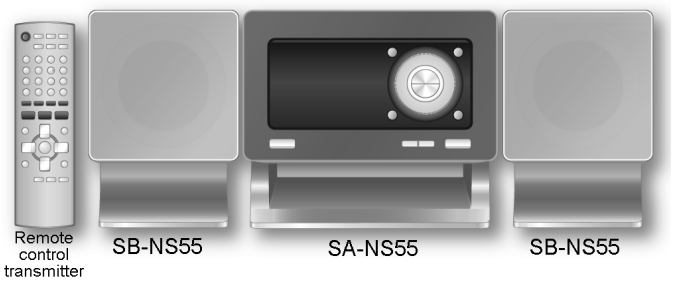
ORDER NO. MD0703019CE
A6

Service Manual

Speaker System



SB-NS55P

Colour

(K)... Black Type

Specification

Type	1 way, 1 speaker system
Speaker (s)	
Full Range	8 cm (3-5/32") cone type (6 Ω)
Impedance	6 Ω
Input power (IEC)	15 W (Max)
Output sound pressure	79.05 dB/W (1.0 m)
Frequency range	55 Hz to 25 kHz (-16 dB)
	60 Hz to 20 kHz (-10 dB)
Dimensions (W x H x D)	127 x 178 x 228 mm
	(5" x 7" x 9")
Mass	1.4 kg (3.1 lb.)

Notes :

1. Specifications are subject to change without notice.
Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 System Combination

1.1. System Breakdown

Note : The table below show the breakdown for speaker combinations used in main unit systems.

System	SC-NS55P-K
Music center	SA-NS55P-K
Speaker system	SB-NS55P-K

2 Assembling and Disassembling

“ATTENTION SERVICER”

Some chassis components may have sharp edges. Be careful when disassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures.
   Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.
4. Refer to the Parts No. on the page of “Parts Location and Replacement Parts List” (Section 6), if necessary.

Below is the list of disassembly sections

- **Disassembly of Stand base**
- **Disassembly of Net frame assembly**
- **Disassembly of Woofer unit**

CAUTION NOTE:
Please use original screw and at correct locations.

Below shown is the part no. of different screw types used:

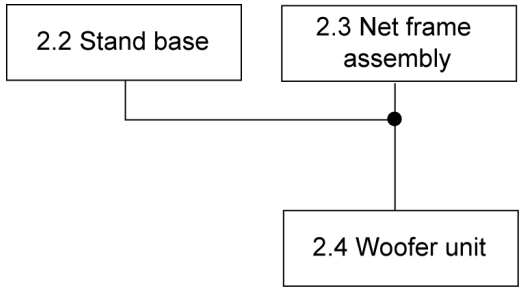
ⓐ :XTB4 + 16AFJK

ⓑ :RHDV4010-K

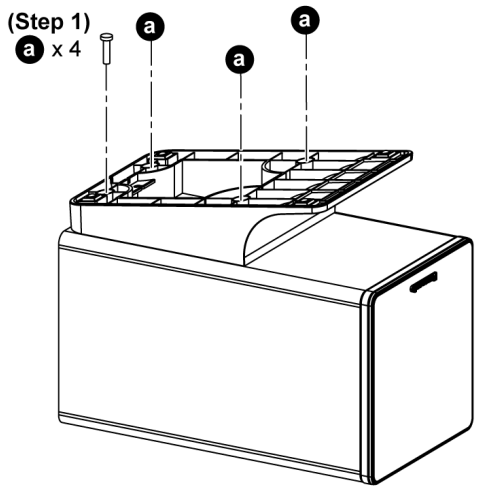
2.1. Disassembly flow chart

The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.

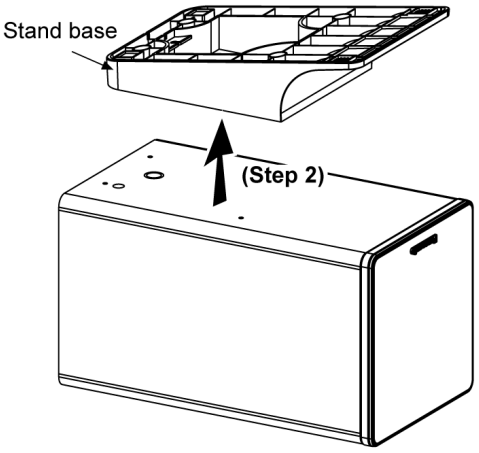
To assemble the unit, reverse the steps shown in the chart as below.



2.2. Disassembly of Stand base

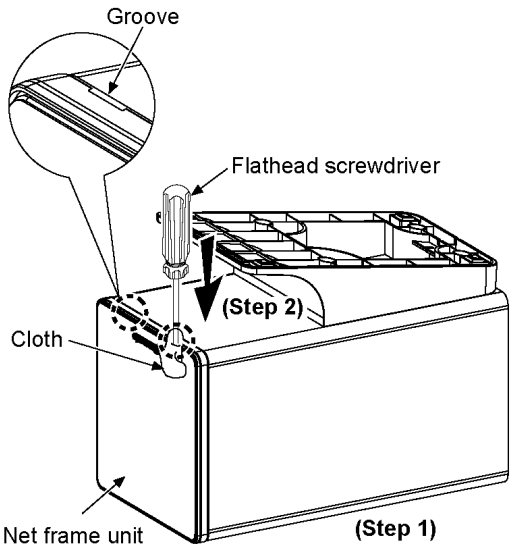


Step 1: Remove 4 screws.



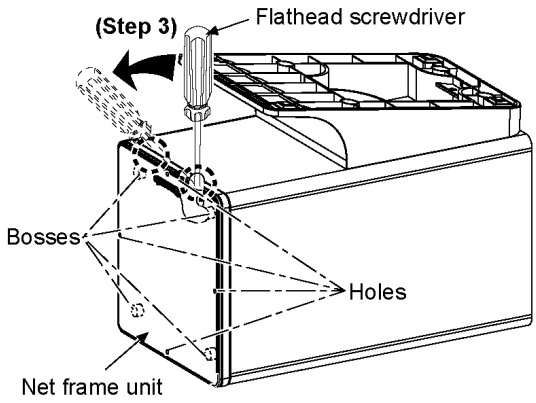
Step 2: Remove stand base as arrow shown.

2.3. Disassembly of Net frame assembly



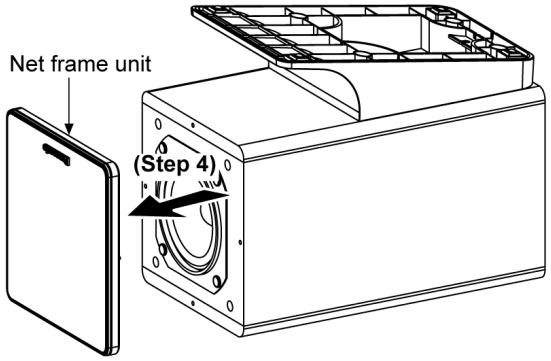
Step 1: Upset the speaker cabinet as shown above.

Step 2: Insert the flathead screwdriver above the cloth into the groove of speaker cabinet.

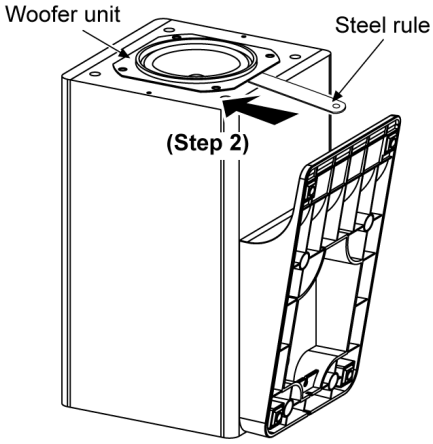


Step 3: Push the net frame unit with the flathead screwdriver as arrow shown.

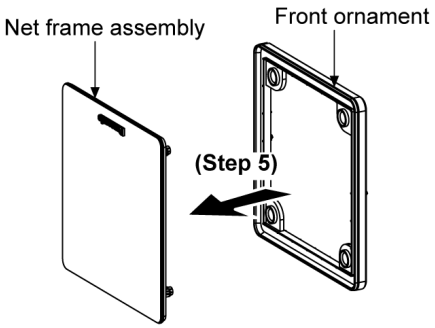
Caution: Do not exert too much force on the bosses and holes as it may damage the net frame unit.



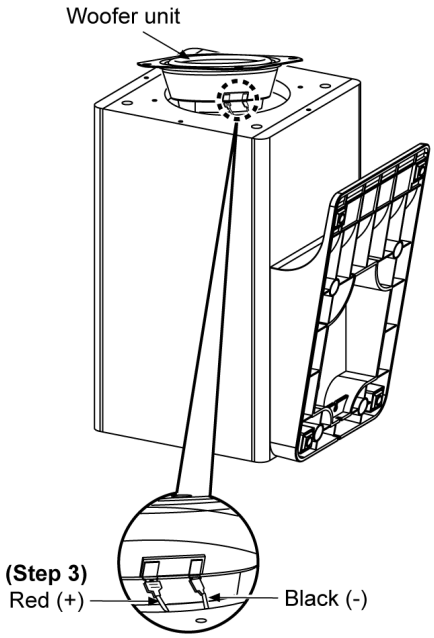
Step 4: Remove net frame unit as arrow shown.



Step 2: Insert the steel rule in between the woofer unit and speaker cabinet to push out the woofer unit.



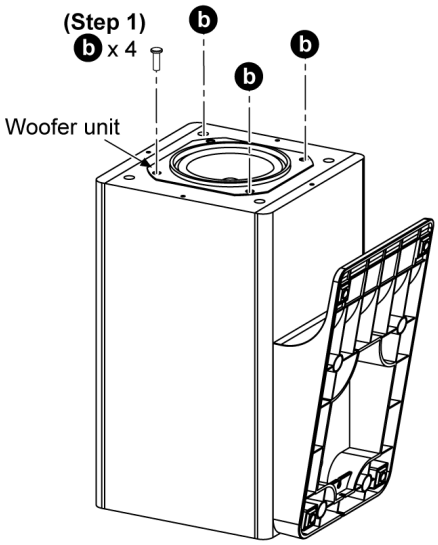
Step 5: Remove net frame assembly as arrow shown.



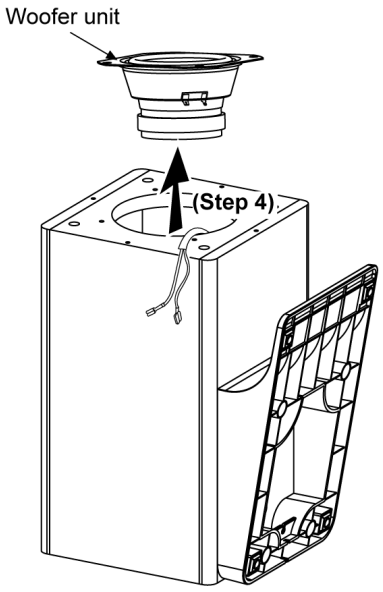
Step 3: Detach the red (+) and black (-) wires.

2.4. Disassembly of Woofer unit

Follow (step 1) to (step 4) in item 2.3.



Step 1: Remove 4 screws.



Step 4: Remove woofer unit as arrow shown.

3 Connection of the Speaker Cables

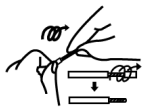
- Be sure to connect speaker cables before connecting the AC power supply cord.
- The load impedance of any speaker used with this unit must be 6 Ω.
- Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.

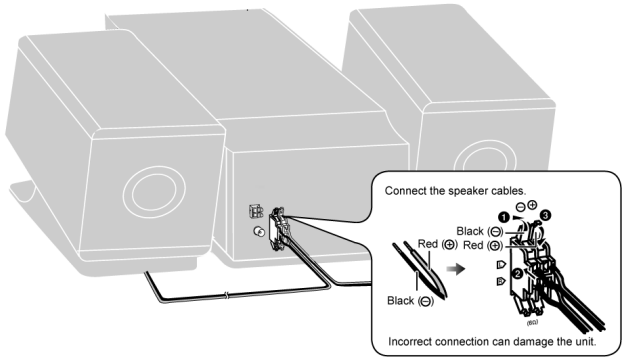
1. Twist and pull off the vinyl tip of the speaker cords. If the speaker cords do not have vinyl tips, connect them directly to the terminals. Make sure the bare ends of the wires are not unravelled.
2. Insert the wire to the rear panel of the unit and close the lever.

Notes :

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (-) terminals.

Connection





Placement of speakers

Speakers are designed identically so that no left or right channel orientation is necessary.

Use only the supplied speakers.
The combination of the main unit and speakers provide the best sound. Using other speakers can damage the unit and sound quality will be negatively affected.

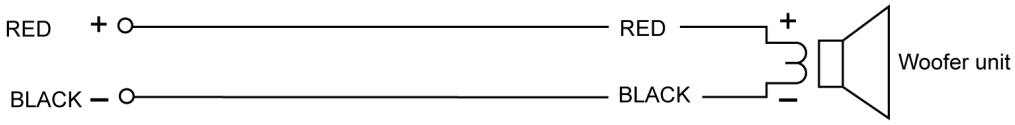
Note

- Keep your speakers at least 10 mm ($^{13}/_{32}$") away from the system for proper ventilation.
- These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.
- You cannot take the front net off the speakers.

Caution

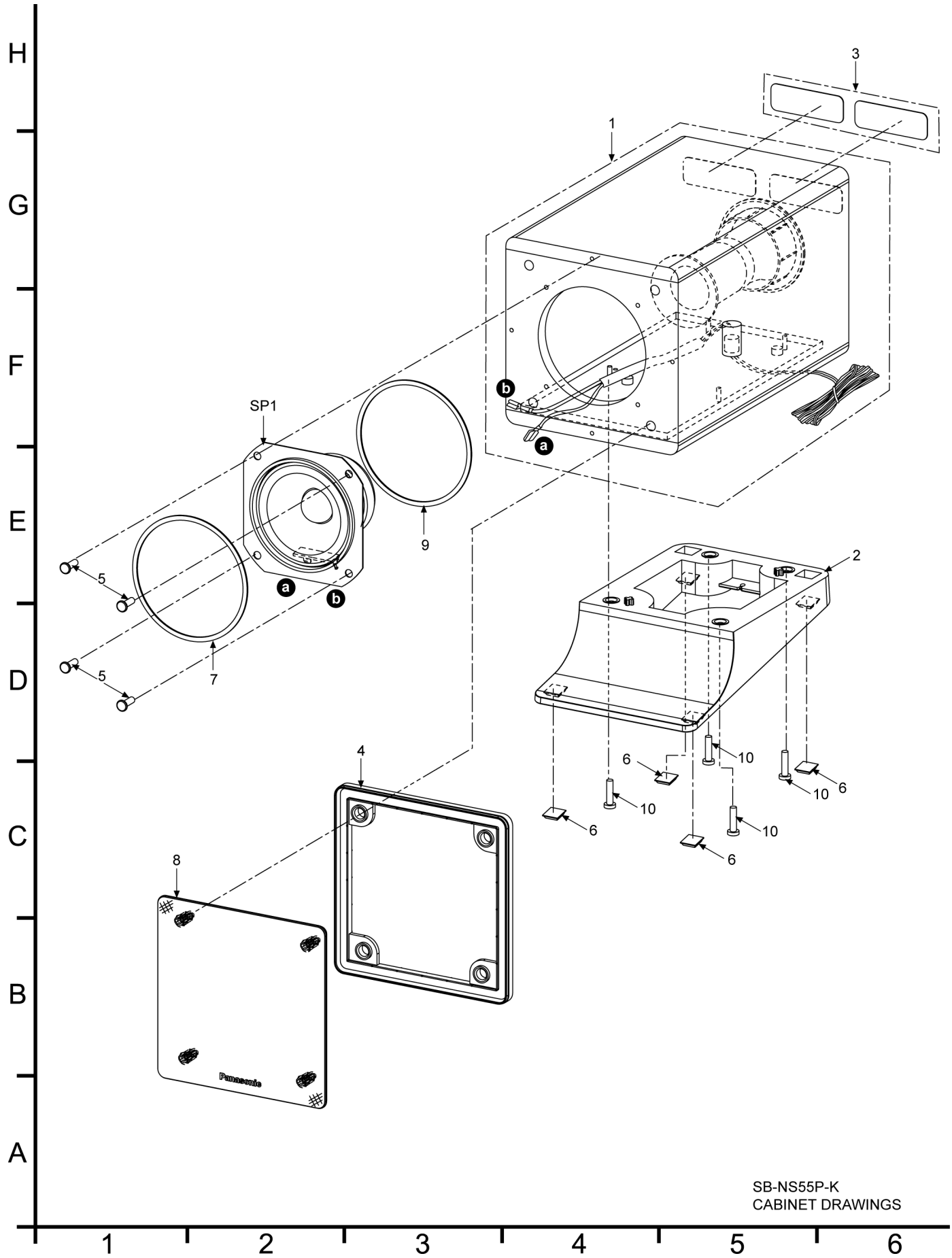
- **Use the speakers only with the recommended system. Failure to do so can damage the amplifier and speakers, and can cause fire. Consult a qualified service person if damage occurs or if a sudden change in performance is apparent.**
- **Do not attach these speakers to walls or ceilings.**

4 Connection of the Wiring Diagram



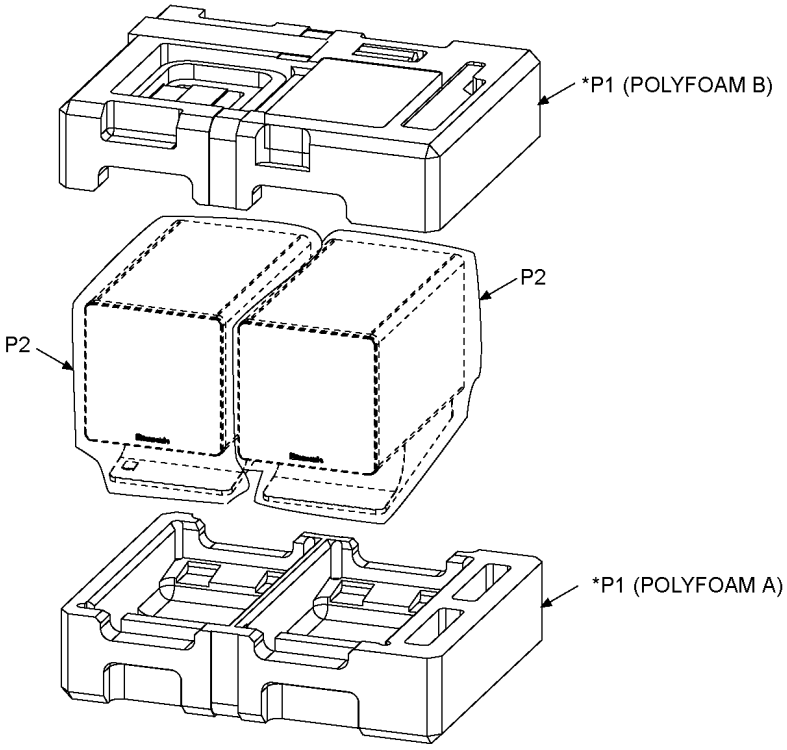
5 Exploded view

5.1. Cabinet Parts Location



5.2. Packaging

*P1 — POLYFOAM B
*P1 — POLYFOAM A



SB-NS55P-K
PACKAGING DRAWINGS

6 Replacement Parts List

Notes :

- Important safety notice :

  When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] markings in the Remarks columns indicates parts supplied by **PAVCSG**.

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RFKHBNS55P-K	SPEAKER CABINET ASSY	[M]
2	RGKV0167-K	STAND BASE	[M]
3	RGNV0291	SPEC LABEL	[M]
4	RGPV0095-K	FRONT ORNAMENT	[M]
5	RHDV4010-K	SCREW	[M]
6	RKA0072-KJ	LEG CUSHION	[M]
7	RMQV0078	SPEAKER GASKET	[M]
8	RYBV0047B-K	NET FRAME ASS'Y	[M]
9	RMQV0092	EVA PACKING	[M]
10	XTB4+16AFJK	SCREW	[M]
		PACKING MATERIALS	
P1	RPNV0136	POLYFOAM	[M]
P2	RPFV0073	MIRAMAT BAG	[M]
		SPEAKER	
SP1	EAS8P209A	WOOFER UNIT	[M]